

## Methanol, reactions

maximum number of hydroxyl groups expressible in the index compound, e.g., 1,4-Naphthalenediol, 2-[4-(hydroxymethyl)-2-pyridinyl]-; (b) preferred ring system, e.g., 3-Morpholinemethanol,  $\alpha$ -pyridazinyl-; Benzenemethanol,  $\alpha$ -cyclohexyl- $\alpha$ -phenyl- (like treatment of like groups is now disregarded); (c) largest parent, e.g., Benzenemethanol, 4-hydroxy-; (d) lowest locants for suffixes, e.g., 1-Naphthalenemethanol, 4-[(2-(hydroxymethyl)-1-naphthalenyl)thio]-; (e) maximum substitution of the index parent; (f) lowest locants for substituents; (g) earliest index portion of the complete name. Multiplicative names, e.g., Methanol, oxybis-, may be employed in the usual way

## Methanol, reactions

solvolysis with — see also Methanolysis

## Methanol [67-56-1], compounds

Specific coordination compounds containing the methoxy ligand are indexed only at the coordination headings, e.g., Aluminum, diethylmethoxy- [6076-62-6]. Nonspecific coordination compounds containing this ligand are indexed here and at the element headings. Specific coordination compounds containing other ligands derived from methanol, e.g., the neutral ligand, are indexed here as well as at the specific coordination headings

## Methanol [67-56-1], esters

Specific esters of acids with methanol are indexed under the names of the acids only. General studies of methanol esters are indexed at this heading

## Methanol

- , acetyl-  
See 2-Propanone, 1-hydroxy- [116-09-6]
  - , acetylmethyl-  
See 2-Butanone, 3-hydroxy- [513-86-0]
  - , benzoyl-  
See Ethanone, 2-hydroxy-1-phenyl- [582-24-1]
  - , benzoylmethyl-  
See 1-Propanone, 2-hydroxy-1-phenyl- [5650-40-8]
  - , cyclohexylmethyl-  
See Cyclohexanemethanol,  $\alpha$ -methyl- [1193-81-3]
  - , cyclohexylphenyl-  
See Benzenemethanol,  $\alpha$ -cyclohexyl- [945-49-3]
  - , di-9H-fluorene-9-ylphenyl-  
See 9H-Fluorene-9-methanol,  $\alpha$ -9H-fluorene-9-yl- $\alpha$ -phenyl- [25278-38-0]
  - , di-1-naphthalenylphenyl-  
See 1-Naphthalenemethanol,  $\alpha$ -1-naphthalenyl- $\alpha$ -phenyl- [25460-21-3]
  - , [5-(1,3-dioxolan-4-yl)-1,3-dioxolan-4-yl]-  
See [4'-Bi-1,3-dioxolan-5-methanol [14085-81-5]
  - , diphenyl[1,1',4',1''-terphenyl]-4-yl-  
See [1,1',4',1''-Terphenyl]-4-methanol,  $\alpha$ -diphenyl- [17802-72-1]
  - , ferrocenyldiphenyl-  
See Ferrocene, (hydroxydiphenylmethyl)- [1273-16-1]
  - , (hydroxysilyl)-  
See Silanol, (hydroxymethyl)- [16777-76-7]
  - , [methylenebis(oxy)methyleneoxy]bis-  
See 2,4,6,8-Tetraoxanone-1,9-diol [28317-13-7]
  - , [methylenebis(oxy)methyleneoxy]bis-  
See 2,4,6,8,10,12-Hexaoxatridecane-1,13-diol [28317-15-9]
  - , [methylenebis(thiomethylenethio)]bis-  
See 2,4,6,8-Tetrathianone-1,9-diol [20203-01-4]
  - , 1-naphthalenyl-2-naphthalenylphenyl-  
See 1-Naphthalenemethanol,  $\alpha$ -2-naphthalenyl- $\alpha$ -phenyl- [25158-44-5]
  - , [oxybis(methyleneoxy)methyleneoxy]bis-  
See 2,4,6,8,10,12-Heptaaxapentadecane-1,15-diol [28317-16-0]
  - , phenanthrenyldiphenyl-  
See Phenanthrenemethanol,  $\alpha$ -diphenyl- [15057-66-0]
  - , phosphinidynetris-  
cyclic ester with arsenic acid ( $H_3AsO_4$ ) (1:1)  
See 2,6,7-Trioxa-4-phospha-1-arabicyclo[2.2.2]octane [24647-30-1]
  - , cyclic phosphite  
See 2,6,7-Trioxa-1,4-diphosphabicyclo[2.2.2]octane [4579-03-7]
  - , phosphinylidynetris-  
cyclic phosphite  
See 2,6,7-Trioxa-1,4-diphosphabicyclo[2.2.2]octane, 1,4-dioxide [4726-80-1]
  - , 2-thienyl-3-thienyl-  
See 2-Thiophenemethanol,  $\alpha$ -3-thienyl- [6007-89-2]
  - , triphenyl-  
See Benzenemethanol,  $\alpha$ -diphenyl- [76-84-6]
- Methanol fuels**  
Valid heading during volumes 126-130 (1997-June 1999) only
- See **Fuels**  
methanol  
Methanol [67-56-1]  
fuel
- Methanobolus siciliae**  
See *Methanosarcina siciliae*
- Methanolysis**  
See also related:  
Methanolysis catalysts  
Methanolysis kinetics  
Methanolysis catalysts  
See also related: Methanolysis  
Methanolysis kinetics  
See also related: Methanolysis
- 8,16-Methano[2.2]metacyclopentane**  
See 4,6-Ethano-5H-dibenzof[4,5-c]heptene, 10,11-dihydro- [28119-23-7]
- 6H-1,3a-Methano-3,5,9a-metheno-4H-benzo[cd]cyclopropa[5,6]benz[1,2-f]indole**

- , dodecahydro-1,6a-dimethyl-  
[15-(1a,1a,3a,3a,4a,4a,5a,5a,6a,6a,9a,9a,9a,9a,10R\*)] — see 11,16(17H)-Cyclohexan [85352-69-8]
- 4,7-Methano-3,5,6-metheno-1H-indene-1-carboxaldehyde**  
—, octahydro-  
See 1,2,4-Methenocyclopenta[cd]pentene-5-carboxaldehyde, decahydro- [6707-89-7]
- 12H-6,2,7a-(Methanometheno)indolo[2,3-a]quinolizine**  
See 12H-6,2,7a-Ethanylideneindolo[2,3-a]quinolizine [160-95-2]
- 1,4-Methano-2,5,8-methenonaphthalene**  
—, decahydro-  
See 2,4,7-Metheno-1H-cyclopenta[a]pentene, decahydro- [6673-99-0]
- 1,3-Methanonaphthalene**  
—, 4a,8a-epoxy-4a,8a-dihydro-  
See 4a,8a-Epoxy-1,3-methanonaphthalene [23989-75-5]
- , 8,8a-epoxy-6,8a-dihydro-  
See 6,8-Methano-3H-naphth[1,8a-b]oxirene [32484-99-4]
- 1,4-Methanonaphthalene**  
—, 2,3,6,7-diepoxy-  
See 2,6-Methanonaphtho[2,3-b:6,7-b']bisoxirene [3925-49-3]
- , 5,6,7,8-diepoxy-  
See 3,6-Methanonaphtho[1,2-b:3,4-b']bisoxirene [187-76-8]
- , 2,3,4a,8a-diepoxy-4a,8a-dihydro-  
See 2a,6a-Epoxy-2,7-methanonaphth[2,3-b]oxirene [166-64-3]
- , 2,3-epoxy-  
See 2,7-Methanonaphth[2,3-b]oxirene [279-10-7]
- , 6,7-epoxy-  
See 3,6-Methanonaphth[2,3-b]oxirene [246-49-1]
- , 4a,8a-epoxy-4a,8a-dihydro-  
See 4a,8a-Epoxy-1,4-methanonaphthalene [174-12-9]
- 1,4-Methanonaphthalene-2,3-dicarboximide**  
See 4,9-Methano-1H-benz[fi]sindole-1,3(2H)-dione [4517-58-2]
- 1,4-Methanonaphthalene-6,7-dicarboximide**  
See 5,8-Methano-1H-benz[fi]sindole-1,3(2H)-dione [6784-64-1]
- 1,3-Methanonaphthalene-5,6-dicarboxylic anhydride**  
See 6,8-Methanonaphtho[1,2-c]furan-1,3-dione [28374-54-1]
- 1,4-Methanonaphthalene-2,3-dicarboxylic anhydride**  
See 4,9-Methanonaphtho[2,3-c]furan-1,3-dione [6050-02-8]
- 1,4-Methanonaphthalene-4a,8a-dicarboxylic anhydride**  
See 1,4-Methano-4a,8a-(methanoxy)methanonaphthalene-9,11-dione [6875-02-1]
- 1,4-Methanonaphthalene-5,6-dicarboxylic anhydride**  
See 6,9-Methanonaphtho[1,2-c]furan-1,3-dione [30810-97-0]
- 1,4-Methanonaphthalene-6,7-dicarboxylic anhydride**  
See 5,8-Methanonaphtho[2,3-c]furan-1,3-dione [6050-03-9]
- 2H-2,4a-Methanonaphthalene-3,4-dicarboxylic anhydride**  
See 3H-4,9a-Methanonaphtho[1,2-c]furan-1,3(4H)-dione [25142-14-7]
- 7H-2,4a-Methanonaphthalene-7,8-dicarboxylic anhydride**  
See 1H-5a,8-Methanonaphtho[1,2-c]furan-1,3(3aH)-dione [28374-55-2]
- 1,4-Methanonaphthalene-5,8-dione**  
cyclic bis(1,2-ethanediyl mercaptone) — see Spiro[1,3-dioxolane-2,5'(8'H)-[1,4]-methanonaphthalene]-8'-one [6708-91-4]
- , 2,3,4a,8a-diepoxy-4a,8a-dihydro-  
See 2a,6a-Epoxy-2,7-methanonaphth[2,3-b]oxirene-3,6-dione [15176-57-5]
- , 2,3-epoxy-  
See 2,7-Methanonaphth[2,3-b]oxirene-3,6-dione [15176-73-5]
- , 6,7-epoxy-  
See 3,6-Methanonaphth[2,3-b]oxirene-2,7-dione [6050-04-0]
- , 4a,8a-epoxy-1,4,4a,8a-tetrahydro-  
See 4a,8a-Epoxy-1,4-methanonaphthalene-5,8-dione, 1,4-dihydro- [15176-56-4]
- 1,4-Methanonaphthalene-5,8,9-trione**  
cyclic 9-(1,2-ethanediyl acetal) — see Spiro[1,3-dioxolane-2,9'-(1,4)-methanonaphthalene]-5',8'-dione [16776-97-9]
- 1,4-Methanonaphthalene-5(1H)-one**  
cyclic 1,2-ethanediyl acetal — see Spiro[1,3-dioxolane-2,5'(1'H)-[1,4]-methanonaphthalene] [186-22-1]
- , cyclic 1,2-ethanediyl mercaptone — see Spiro[1,3-dithiolane-2,5'(1'H)-[1,4]-methanonaphthalene] [186-24-3]
- 1,4-Methanonaphthalene-9-one**  
cyclic 1,2-ethanediyl acetal — see Spiro[1,3-dioxolane-2,9'-(1,4)-methanonaphthalene] [1579-47-1]
- 7H-5,7a-Methanonaphth[1,2-d][1,2,5]osmadioxolo[3,4-h][2]benzoxepin**  
See Osmium, [7H-5,7a-methanobenzo[c]naphth[2,1-c]oxepin-9,10-diolato(2-)- $\kappa^O$ , $\kappa^{O(10)}$ ] [169-05-1]
- 5H-3,5a-Methanonaphth[2,1-c]oxepin-12-carboxylic acid**  
—, 2-hydroxy-  
—, y-lactone — see 2H-5a,2,5-(Methanoxy)methanonaphth[1,2-d]oxepin-4(5H)-one [5811-71-2]
- 1,4-Methanonaphth[1,2-c]oxepin-9(1H)-one**  
cyclic 1,2-ethanediyl acetal —

see Spiro[1,3-dioxolane-2,9'(1'H)-[1,4]-methanonaphth[1,2-c]oxepin] [199-40-6]

## Methanone

- , (acetylphenyl)phenyl-  
See Ethanone, 1-(benzoylphenyl)- [30424-58-9]
  - , (2-aminophenyl)phenyl-  
O-(carboxymethyl)oxime — see Acetic acid, [(2-aminophenyl)phenylmethylene]amino-oxyl- [25044-43-3]
  - , bis(2-hydroxyphenyl)-  
cyclic ester with boric acid ( $H_3BO_3$ ) — See 12H-Dibenzod[4,5',1,3,2]dioxaborocin-12-one, 6-hydroxy- [25453-13-8]
  - , (3,4-dihydroxyphenyl)(2,4,6-trihydroxyphenyl)-  
See also C.I. Natural Yellow 8 [114355-18-9]
- Methanone, diphenyl- [119-61-9], compounds**  
Acyclic acetals of diphenylmethanone are indexed at the preferred hydrocarbon name or other parent compound in the absence of a function expressible as a suffix; cyclic acetals are indexed at the heterocyclic ring names. Examples: Benzene, 1,1'-(diethoxymethylene)bis-; 1,3-Dioxolane, 2,2-diphenyl-  
azine with bis(phenylsilyl)formaldehyde — see Methanone, diphenyl-, hydrazones, [bis(phenylsilyl)methylene]hydrazones [1807-64-3]

**Methanone, diphenyl-, hydrazones (aminoinimomethyl)hydrazones**  
— see Hydrazinecarboximidamide, 2-(diphenylmethylene)- [4353-44-0]

**Methanone**  
—, ferrocenyldiphenyl-  
See Ferrocene, benzoyl- [1272-44-2]
- , (hydroxysilyl)methyl-  
See Silanol, acetyl- [25990-79-8]
- 10,10a-Methano-10aH-2-oxanthracene**  
See 1H-Cyclopropa[4,4a]naphth[2,3-c]pyran [311-65-9]
- 1,6-Methano-8,13-oxido[14]annulene**  
See 15-Oxatricyclo[4.1.1<sup>3,8</sup>]hexadeca-1,3,5,7,9,11,13-heptene [29918-22-7]
- 2,5-Methano-2H-oxireno[a]indene**  
See 2,5-Methano-2H-indena[1,2-b]oxirene [209-61-0]
- 2,6-Methano-2H-oxireno[f]indene**  
See 2,6-Methano-2H-indena[5,6-b]oxirene [279-05-0]
- 6a,12-Methanophenanthro[1',2',4',5']cyclopenta[1,2-b]pyrrocolium**  
See 6a,12-Methanonaphth[2',1',4',5']indena[1,2-b]indolizinium [164-16-9]

**Methanophosphagen**  
See 1,3,5,2,4-Triaxadiphosphene-6-carboxylic acid, 2,4-dihydroxy-, 2,4-dioxide [87457-86-1]

**2,14-Methanopentene**  
—, dicosahydro-2,4a,8a,6b,9,9,12a-heptamethyl-  
[4aR-(4a,8a,6b,9a,9,12a,12b,14a,14a)] — see 12,29-Cycloolefane [104836-05-7]
- 4a,14b-Methanopentene**  
—, eicosahydro-2,2,6a,6b,9,9,12a-heptamethyl-  
[4aR-(4a,8a,6b,9a,9,12a,12b,14a,14a)] — see 18,28-Cycloolefane [164510-61-6]
- 6a,14a-Methanopentene**  
—, eicosahydro-1,2,4a,6b,9,9,12a-heptamethyl-  
[15-(1a,2b,4a,8a,6b,9a,9,12a,12b,14a,14a)] — see 13,27-Cycloolefane [36413-76-0]
- , eicosahydro-2,2,4a,6b,9,9,12a-heptamethyl-  
[4aR-(4a,8a,6b,9a,9,12a,12b,14a,14a)] — see 13,27-Cycloolefane [36418-86-4]
- 2,16-Methano-2H-piceno[3,2-b]pyran**  
—, 1,3,4a,5a,6a,6b,7,8a,9,13,14,14a,14b,15,16,16a,16b-eicosahydro-2,4a,8a,6b,9,9,14a-heptamethyl-  
[4aR-(4a,8a,6b,9a,9,12a,12b,14a,14a)] — see 4H-12,29-Cycloolefane-2-enol-3,2-b-pyran [108790-96-3]
- 1H-7,12-Methano-4,12a-propanocyclodeca[e]pyridine-16-carboxylic acid**  
—, 2,4a,5,10,11,12-hexahydro-10-hydroxy-5-oxo-  
—,  $\delta$ -lactone — see 3H-3,12-Methano-8,11a-propano-1H-oxepin[4',5',6']cyclohept[1,2-c]pyridine-1,7(7H)-dione, 10,11,12,12a-tetrahydro- [6712-14-7]
- 6a,9-Methano-4,11b-propano-1H-cyclohept[a]isoquinoline-8,9(10H)-diol**  
cyclic acetal with 2-propanone — see 11H-6a,10a-Methano-4,12b-propano-1H-(1,3)dioxolo[4',5',6']cyclohept[1,2-h]isoquinoline, 9,9-dimethyl- [26364-78-3]
- 6a,9-Methano-4,11b-propano-1H-cyclohept[a]isoquinolin-8(7H)-one**  
cyclic 1,2-ethanediyl acetal — see Spiro[1,3-dioxolane-2,8'(7'H)-[6a,9-methano[4,11b]propano[1H]cyclohept[a]isoquinoline] [310-02-1]
- 4,7-Methano-3a,8a-propano-4H-cyclohept[c][1,2,5]osmadioxole**  
See Osmium, [2,3-dihydro-4-oxo-6-pteridylmethyl]amino]phenyl-1-deoxy-5-O-[5-O-[(1S)-1,3-dicarboxypropoxy]hydroxyphenyl]- $\alpha$ -D-ribofuranosyl- [79484-89-2]
- 6,9-Methano-5H-pyrrolo[1,2-f]azepino[4,5-b]indole**  
—, 7-ethyl-6,6a,7,8,9,10,12,13-octahydro-  
[6R-(6a,6a',7,8a)] — see Ibogamine [481-87-8]
- , 6,6a,7,8,9,10,12,13-octahydro-  
[6R-(6a,6a',9a)] — see 20,21-Dinoribogamine [1630-03-1]
- 3,11b-Methano-11bH-pyrrolo[4,3-c]carbazole**